

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. 14858-0006	SERIAL NO. 10/815,588
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Patrick W. McManus et al.	
		FILING DATE April 1, 2004	GROUP 3612

JUL 06 2004  
PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS
170	AA	2,097,911	11/1937	Becker	/	/
	AB	2,172,405	09/1939	Powell	/	/
	AC	2,284,419	05/1942	Greig	/	/
	AD	3,181,911	05/1965	Péras	/	/
	AE	3,336,071	08/1967	Neale et al.	/	/
	AF	3,964,785	06/1976	Plume	/	/
	AG	4,057,284	11/1977	Blank	/	/
	AH	4,081,051	03/1978	Logsdon	/	/
	AI	4,132,444	01/1979	Beggs	/	/
	AJ	4,198,091	04/1980	Appleton	/	/
171	AK	4,220,369	09/1980	Whitley et al.	/	/

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
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EXAMINER	DATE CONSIDERED
S Gordo	12-30-05

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<i>hbs</i>	BA	4,223,939	09/1980	Beggs	/	/	
	BB	4,261,613	04/1981	Alford	/	/	
	BC	4,261,614	04/1981	Rice	/	/	
	BD	4,392,682	07/1983	Norkus, Jr.	/	/	
	BE	4,659,136	04/1987	Martin et al.	/	/	
	BF	4,756,325	07/1988	Daniels	/	/	
	BG	4,795,206	01/1989	Adams	/	/	
	BH	4,840,427	06/1989	Hong	/	/	
	BI	4,909,558	03/1990	Roshinsky	/	/	
	BJ	4,944,550	07/1990	Drown et al.	/	/	
<i>hbs</i>	BK	4,950,123	08/1990	Brockhaus	/	/	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES      NO
	BL						
	BM						
	BN						
	BO						
	BP						
	BQ						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	BR						
	BS						
	BT						
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<i>110</i>	CA	4,993,088	02/1991	Chudik	—	—	
	CB	5,016,858	05/1991	Mitchell	—	—	
	CC	5,064,335	11/1991	Bergeron et al.	—	—	
	CD	5,076,640	12/1991	Bulte	—	—	
	CE	5,083,830	01/1992	Mucher et al.	—	—	
	CF	5,098,146	03/1992	Albrecht et al.	—	—	
	CG	5,154,469	10/1992	Morrow	—	—	
	CH	5,273,336	12/1993	Schubring et al.	—	—	
	CI	5,366,266	11/1994	Harbison	—	—	
	CJ	5,454,684	10/1995	Berens	—	—	
<i>110</i>	CK	5,456,511	10/1995	Webber	—	—	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES      NO
	CL						
	CM						
	CN						
	CO						
	CP						
	CQ						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	CR						
	CS						
	CT						
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11D	DA	5,464,264	11/1995	Wilson	—	—	
	DB	5,489,134	02/1996	Furuki et al.	—	—	
	DC	5,513,941	05/1996	Kulas et al.	—	—	
	DD	5,516,182	05/1996	Aragon et al.	—	—	
	DE	5,524,953	06/1996	Shaer	—	—	
	DF	5,531,497	07/1996	Cheng	—	—	
	DG	5,554,998	09/1996	Sherwood et al.	—	—	
	DH	5,564,767	10/1996	Strepek	—	—	
	DI	5,628,543	05/1997	Filipovich et al.	—	—	
	DJ	5,649,731	07/1997	Tognetti	—	—	
17B	DK	5,669,654	09/1997	Eilers et al.	—	—	

  

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES      NO
	DL						
	DM						
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	DR						
	DS						
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<i>JM</i>	EA	5,692,792	12/1997	Klar (minor)	—	—	
	EB	5,700,047	12/1997	Leitner et al.	—	—	
	EC	5,735,565	04/1998	Papai et al.	—	—	
	ED	5,816,637	10/1998	Adams et al.	—	—	
	EE	5,820,190	10/1998	Benner	—	—	
	EF	5,845,957	12/1998	Hurst	—	—	
	EG	5,924,753	07/1999	DiBassie	—	—	
	EH	5,938,262	08/1999	Mills	—	—	
	EI	5,944,371	08/1999	Steiner et al.	—	—	
	EJ	5,951,233	09/1999	Boucher et al.	—	—	
<i>JM</i>	EK	5,967,584	10/1999	McCarthy et al.	—	—	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES      NO
	EL						
	EM						
	EN						
	EO						
	EP						
	EQ						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	ER						
	ES						
	ET						
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<i>AJH</i>	FA	6,007,137	12/1999	Lambden	/	/	
	FB	6,012,776	01/2000	Schneider et al.	/	/	
	FC	6,017,082	01/2000	Leoni	/	/	
	FD	6,030,018	02/2000	Clare et al.	/	/	
	FE	6,033,002	03/2000	Clare et al.	/	/	
	FF	6,059,339	05/2000	Madson	/	/	
	FG	6,065,792	05/2000	Sciullo et al.	/	/	
	FH	6,065,798	05/2000	Sankrithi	/	/	
	FI	6,092,335	07/2000	Queveau et al.	/	/	
	FJ	6,126,220	10/2000	Brasher	/	/	
<i>AJH</i>	FK	6,161,892	12/2000	Chabanne et al.	/	/	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES      NO
	FL						
	FM						
	FN						
	FO						
	FP						
	FQ						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	FR						
	FS						
	FT						
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<i>RP</i>	GA	6,199,945	03/2001	Kim	—	—	
	GB	6,213,531	04/2001	Corey et al.	—	—	
	GC	6,237,981	05/2001	Selleck	—	—	
	GD	6,244,651	06/2001	Hecock, Jr.	—	—	
	GE	6,254,171	07/2001	Young, Sr.	—	—	
	GF	6,332,627	12/2001	Damron	—	—	
	GG	6,332,637	12/2001	Chambers	—	—	
	GH	6,334,562	01/2002	Ament et al.	—	—	
	GI	6,340,189	01/2002	Pordy	—	—	
	GJ	6,340,198	01/2002	Benites et al.	—	—	
<i>RP</i>	GK	6,340,208	01/2002	Habedank	—	—	
FOREIGN PATENT DOCUMENTS							
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							YES      NO
	GL						
	GM						
	GN						
	GO						
	GP						
	GQ						
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	GR						
	GS						
	GT						
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<i>HM</i>	HA	2002/0105201	08/2002	Melotik et al.	—	—	
<i>HM</i>	HB	6,431,634	08/2002	Ananian	—	—	
<i>HM</i>	HC	6,450,566	09/2002	Hong	—	—	
<i>HM</i>	HD	6,464,274	10/2002	Mink et al.	—	—	
<i>HM</i>	HE	6,471,282	10/2002	Hanning	—	—	
<i>HM</i>	HF	6,481,772	11/2002	Tenn	—	—	
<i>HM</i>	HG	6,488,333	12/2002	Kim	—	—	
<i>HM</i>	HH	6,491,331	12/2002	Fox	—	—	
<i>HM</i>	HI	6,494,531	12/2002	Kim	—	—	
<i>HM</i>	HJ	6,503,036	01/2003	Bequette et al.	—	—	
<i>HM</i>	HK	6,517,137	02/2003	Kiester et al.	—	—	
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	HL						YES      NO
	HM						
	HN						
	HO						
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	HQ						
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	HR						
	HS						
	HT						
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17M	IA	2003/0047974	03/2003	Tame	—	—	
	IB	2003/0057725	03/2003	Hernandez et al.	—	—	
	IC	6,601,899	08/2003	Kiester et al.	—	—	
	ID	6,609,744	08/2003	Gehring et al.	—	—	
	IE	6,644,719	11/2003	Young, Sr.	—	—	
17J	IF	6,742,822	06/2004	Vejnar	—	—	
	IG						
	IH						
	II						
	U						
	IK						
FOREIGN PATENT DOCUMENTS							
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	IL						YES      NO
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	IN						
	IO						
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